

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-30
Relating to Certification of New Motor Vehicle Engines

CUMMINS ENGINE CO., INC.

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following Cummins Engine Co., Inc. 1985 model-year diesel engines have shown compliance with the optional transient standards and are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

| <u>Engine Family</u> | <u>Displacement Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems (Special Features)</u> |
|----------------------|-----------------------------------------------|---------------------------------------------------------------------------------|
| 343 | 611 (10.0) | Air Fuel Control (Turbocharged and Aftercooled) (Diesel Injection Direct) |

Engine models and codes are listed on attachments.

Section 43200, Part 5, Division 26 of the California Health and Safety Code requires that the engine manufacturer furnish a decal with each engine sold or delivered to a vehicle manufacturer. The decal shall display the applicable model-year heavy-duty engine exhaust emission standards and the following certification emission values:

| <u>Engine Family</u> | <u>Hydrocarbons gm/bhp-hr</u> | <u>Nitrogen Oxides gm/bhp-hr</u> |
|----------------------|-----------------------------------|--------------------------------------|
| 343 | 0.8 | 4.3 |

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order.

Executed at El Monte, California this 31st day of July, 1984.


K. D. Drachand, Chief
Mobile Source Division

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET,
HEAVY-DUTY DIESEL ENGINESManufacturer Cummins Engine Company, Inc. Page 1 of 1Engine Family 343 CID(Liter)-Type 611 (10.0) Inline 6ECS and (Special Features) AFC, (Turbocharged, DID) Air Signal Attenuator (ASA)

| Engine Model | Fuel Injection Pump Mfr. Part Number | Injector Mfr. Part Number | Maximum Rated HP and RPM | Fuel Rate at Maximum HP mm ³ /stroke | Label Ident. |
|-------------------|---------------------------------------------------|-------------------------------------|--------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------|
| LTA10 CPL 0652 | Cummins - 217795 3037216 | Cummins - 3027588 | 240 @ 2100 | 116 | 19° BTDC @ .2032 in. piston travel, .198 in. Inj. push tube travel |
| LTA10 CPL 0655 | Cummins 217795 3037216 | Cummins 3027588 | 270 @ 1900 | 139 | (Same) |

Date of Issue -